

**CLAIM LISTING**

Please consider the following amendments to the claims of the present application as set forth below. In accordance with the PTO's revised amendment format, changes are shown by strikethrough (for deleted matter) or underlining (for added matter).

AI 1. (Currently Amended) A method, comprising:

receiving a request to switch from a current network context that corresponds to a first user identity to a new network context that corresponds to a second user identity; and

switching from the current network context to the new network context without process shutdown.

2. (Original) The method as recited in claim 1, wherein process shutdown includes terminating a user session utilizing the current network context and logging into a user session utilizing the new network context.

3. (Original) The method as recited in claim 1, wherein the current network context includes web page data specific to a user, and wherein the web page data is stored in a memory location based on a hash of a universal resource locator (URL) for the web page.

4. (Original) The method as recited in claim 1, wherein:

the current network context is associated with a current globally unique user identifier (guid);

1 the receiving a request to switch from the current network context to a  
2 new network context further comprises receiving a new guid with a request to  
3 switch to a new network context associated with the new guid; and

4 the switching from the current network context further comprises  
5 switching from the current network context to a new network context that is  
6 associated with the new guid.

7  
8  
9 5. (Original) The method as recited in claim 4, wherein the switching  
10 further comprises:

11 setting one or more global pointers to reference one or more directories  
12 uniquely associated with the new guid.

13  
14 6. (Original) The method as recited in claim 5, wherein the new network  
15 context includes shared web page data, and wherein the web page data is stored in  
16 a location based on a hash of a universal resource locator (URL) for the web page.

17  
18 7. (Original) The method as recited in claim 5, wherein the new network  
19 context includes web page data specific to a user, and wherein the web page data  
20 is stored in a location based on a hash of a combination of the new guid and a  
21 universal resource locator (URL) for the web page.

1           8.    (Original) The method as recited in claim 4, wherein the switching to  
2 a new network content further comprises:

3           storing the current network context in a directory uniquely associated with  
4 the current guid.

5  
6           9.    (Original) The method as recited in claim 1, wherein the current  
7 network context is a current Internet context and the new network context is a new  
8 Internet context.

9  
10          10.   (Original) The method as recited in claim 1, further comprising:  
11           determining if the new network context is valid; and  
12           switching network contexts only if the new network context is valid.

13  
14  
15          11.   (Original) The method as recited in claim 1, wherein switching  
16 network contexts further comprises switching universal resource locator (URL)  
17 cache components from current URL cache components to new URL cache  
18 components.

19  
20          12.   (Original) The method as recited in claim 1, wherein the new  
21 network context is a default network context.

22  
23          13.   (Original) The method as recited in claim 1, wherein a network  
24 context comprises a set of objects, one object for each network state.  
25

1        14. (Original) The method as recited in claim 1, wherein a network  
2 context is an Internet context that comprises a set of objects, one object for each  
3 Internet state.

4  
5        15. (Original) The method as recited in claim 14, wherein the set of  
6 objects is comprised of one or more of the following types of objects: cookies,  
7 history, Internet content, or user-defined data.

8  
9        16. (Original) The method as recited in claim 1, wherein:

10        the network context comprises cache components;

11        the switching further comprises:

12        shutting down cache components of the current network context to  
13 prevent operations utilizing the cache components;

14        flushing data uniquely associated with the current network context;

15        creating a set of cache components for the new network context; and

16        resetting a session start time to begin a new session.  
17

18  
19        17. (Currently Amended) The method as recited in claim 1, wherein:

20        ~~the~~ a current network connection is an Internet connection;

21        ~~the~~ a new network connection is an Internet connection;

22        the current network context is an Internet context that includes current web  
23 page content;  
24  
25

1 the new network context is an Internet context that includes new web page  
2 content;

3 the method further comprises:

4 storing the current web page content;

5 setting one or more global pointers to reference the new web page  
6 content; and

7 the switching further comprises:

8 utilizing the referenced new web page content for further processing.  
9

10 **18.** (Original) The method as recited in claim 17, wherein setting one or  
11 more global pointers to reference the new web page content further comprises:

12 hashing a universal resource locator (URL) of a web page from which the  
13 web page content is derived; and

14 setting one or more global pointers to the new web page content in a  
15 memory location associated with the hash value derived from hashing the URL.  
16

17 **19.** (Original) The method as recited in claim 18, wherein the setting  
18 one or more global pointers further comprises:

19 identifying the new web page content as being user-specific;

20 determining a globally unique identifier (guid) associated with the new  
21 Internet context;

22 determining a value associated with the guid;

23 hashing a combination of the URL and the value associated with the guid;  
24  
25

1 setting the one or more global pointers to the new web page content in a  
2 memory location associated with the hash value derived from hashing the  
3 combination of the URL and the value associated with the guid.

4  
5 **20.** (Original) The method as recited in claim 19, wherein the value  
6 associated with the guid is an ordinal.

7  
8 **21.** (Currently Amended) A computer-readable medium having  
9 computer-executable instructions that, when executed by a computer, perform the  
10 following steps:

11 receiving a request to switch from a first Internet context associated with a  
12 first user identity to a second Internet context associated with a second user  
13 identity;

14 halting operations utilizing the first Internet context; and

15 initializing operations utilizing the second Internet context without  
16 requiring a process shutdown.

17  
18 **22.** (Currently Amended) The computer-readable medium as recited in  
19 claim 21, wherein the halting operations utilizing the first Internet context includes  
20 storing first Internet context data in one or more containers associated with the  
21 first user identity.

1           **23.**    (Currently Amended) The computer-readable medium as recited in  
2 claim 21, wherein the initializing operations utilizing the second user identity  
3 includes setting one or more global pointers to Internet context data associated  
4 with the second user identity that is stored in one or more containers associated  
5 with the second user identity.

6  
7           **24.**    (Currently Amended) The computer-readable medium as recited in  
8 claim 21, wherein the initializing operations utilizing the second user identity  
9 includes setting one or more global pointers to reference default Internet context  
10 data and associating the Internet context data with the second user identity.

11  
12           **25.**    (Currently Amended) An Internet management object stored on a  
13 computer-readable medium, comprising computer-executable instructions that,  
14 when executed on a computer, perform the following steps:

15           receiving a request to switch from a first Internet context associated with a  
16 first user identity to a second Internet context associated with a second ~~Internet~~  
17 ~~context~~ user identity;

18           storing the first Internet context in one or more containers associated with  
19 the first user identity;

20           setting one or more global pointers to reference the second Internet context  
21 located in one or more containers associated with the second user identity without  
22 requiring open processes associated with the first user identity to shut down.

1       **26.** (Currently Amended) The Internet management object as recited in  
2 claim 25, further comprising computer-executable instructions to perform the  
3 following steps:

4       determining if the second user identity has been utilized previously; and

5       if the second user identity has not been utilized previously, creating a new  
6 Internet context and setting one or more global pointers to reference the new  
7 Internet context stored in new containers and associating the new Internet context  
8 with the second user identity.

9  
10       **27.** (Original) The Internet management object as recited in claim 25,  
11 wherein the first Internet context includes first Internet content stored in a memory  
12 location and identified in an index record, the index record being identified  
13 according to a hash value of a URL associated with the first Internet content.

14  
15       **28.** (Original) The Internet management object as recited in claim 27,  
16 wherein the first Internet content is shared content.

17  
18       **29.** (Currently Amended) The Internet management object as recited in  
19 claim 25, wherein the first Internet context includes first Internet content stored in  
20 a memory location and identified in an index record, the index record being  
21 identified according to a hash value of a URL associated with the first Internet  
22 content and a value uniquely associated with the first user identity.



1           **30.**    (Currently Amended) The Internet management object as recited in  
2 claim 29 39, wherein the first Internet content is user-specific content.

3  
4           **31.**    (Currently Amended) A computer system, comprising:  
5           a registry that includes one or more global pointers that reference one or  
6 more containers that store a first user Internet context and a second user Internet  
7 context;

8           an Internet management component that associates a first identifier with the  
9 first Internet context and a second identifier with the second Internet context;

10          wherein the Internet management component is configured to halt  
11 processing of the first Internet context and initialize processing by the second  
12 Internet context without shutting down other processes when it receives a request  
13 to switch from ~~the~~ a first user identity identified by the first identifier to ~~the~~ a  
14 second user identity identified by the second identifier.

15  
16           **32.**    (Original) The computer system as recited in claim 31, wherein:  
17           the first Internet context includes first Internet content from a first web page  
18 having a first universal resource locator (URL);

19           one of the global pointers references a first memory location derived by  
20 hashing the first URL; and

21           the Internet management component is further configured to store the first  
22 Internet context data in a container referenced by the global pointer that references  
23 the first memory location.

1           **33.**    (Currently Amended) The computer system as recited in claim 31,  
2 wherein:

3           the first Internet context includes first Internet content from a first web page  
4 having a first universal resource locator (URL);

5           ~~the~~ a first user identity is associated with a unique value;

6           one of the global pointers references a first identity memory location  
7 derived by hashing a combination of the first URL and the unique value; and

8           the Internet management component is further configured to store the first  
9 Internet context data in a container referenced by the global pointer that references  
10 the first identity memory location.

11  
12           **34.**    (Original) The computer system as recited in claim 31, wherein:

13           the second Internet context includes second Internet content from a second  
14 web page having a second universal resource locator (URL);

15           one of the global pointers references a second memory location derived by  
16 hashing the second URL; and

17           the Internet management component is further configured to set the global  
18 pointer to reference the second memory location.

19  
20           **35.**    (Currently Amended) The computer system as recited in claim 31,  
21 wherein:

22           the second Internet context includes second Internet content from a second  
23 web page having a second universal resource locator (URL);

24           the second user identity is associated with a second unique value;  
25

1        one of the global pointers references a second identity memory location  
2        derived by hashing a combination of the second URL and the second unique  
3        value; and

4        the Internet management component is further configured to set the global  
5        pointer to reference the second identity memory location.

A1

Please add the following new claims:

36. (New) The method as recited in claim 1, wherein the first user identity and the second user identity pertain to the same user.

37. (New) The method as recited in claim 1, wherein the first user identity and the second user identity pertain to a different user.

38. (New) The computer-readable medium as recited in claim 21, wherein the first user identity and the second user identity pertain to the same user.

39. (New) The computer-readable medium as recited in claim 21, wherein the first user identity and the second user identity pertain to a different user.

40. (New) The Internet management object as recited in claim 25, wherein the first user identity and the second user identity pertain to the same user.

41. (New) The computer-readable medium as recited in claim 25, wherein the first user identity and the second user identity pertain to a different user.

42. (New) The Internet management object as recited in claim 25, wherein the first user identity and the second user identity pertain to the same user.

1       **43.** (New) The computer-readable medium as recited in claim 31,  
2 wherein the first user Internet concept and the second user Internet concept pertain  
3 to a different user.

4  
5       **44.** (New) An Internet management object stored on a computer-  
6 readable medium, comprising computer-executable instructions that, when  
7 executed on a computer, perform the following steps:

8       receiving a request to switch from a first Internet context associated with a  
9 first identity to a second Internet context associated with a second identity;

10       storing the first Internet context in one or more containers associated with  
11 the first identity;

12       setting one or more global pointers to reference the second Internet context  
13 located in one or more containers associated with the second identity without  
14 requiring open processes associated with the first identity to shut down;

15       determining if the second identity has been utilized previously; and

16       if the second identity has not been utilized previously, creating a new  
17 Internet context and setting one or more global pointers to reference the new  
18 Internet context stored in new containers and associating the new Internet context  
19 with the second identity.

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